

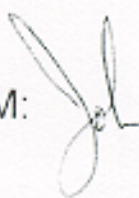



State of Vermont

Agency of Human Services
Department of Mental Health and Mental Retardation
103 South Main Street
Waterbury, Vermont 05671-1601

MEMORANDUM

TO: Vermont Adult Performance Indicator Project Advisory Group

FROM:  John Pandiani
 Rachel Mayer

DATE: August 4, 1997

RE: Involuntary Treatment at the Vermont State Hospital

I have attached a copy of the DDMHS quarterly report on involuntary treatment at the Vermont State Hospital that presents a detailed history of the use of involuntary medication, involuntary seclusion, involuntary restraint, and involuntary specialing at the Vermont State Hospital since 1987. This report complements the information on involuntary 72 hour hold at general hospitals in Vermont that we distributed last week.

We look forward to your comments on the quality of the data, the appropriateness of the analysis, and the effectiveness of the presentation of these data, as well as your interpretation of the results.

Involuntary Treatment at the Vermont State Hospital

Question: How frequently is involuntary treatment (involuntary medication, restraint, seclusion, and specialing) used at the Vermont State Hospital (VSH)? (MHSIP Report Card about involuntary participation in service "The use of involuntary mental health intervention is minimized".)

Data: The VSH began keeping detailed records of involuntary treatment as a result of the Doe v. Miller lawsuit and consent decree in 1987. Since that time, detailed information on all incidents of involuntary treatment has been recorded by VSH staff, entered into the VSH computer and analyzed on a quarterly basis by the Department of Developmental and Mental Health Services Research and Statistics staff.

Results: Of the 142 people who spent time at the Vermont State Hospital during April – June of 1997:

- 27% received involuntary medication,
- 21% involuntarily spent time in seclusion,
- 24% were specialed, and
- 16% were physically restrained.

Of the 299 people who spent time at the Vermont State Hospital ten years earlier, during April – June of 1987:

- 12% received involuntary medication,
- 23% involuntarily spent time in seclusion,
- 16% were specialed, and
- 7% were physically restrained.

The tables and graphs that provide more detail are included in the attached report. Please give me a call (241-2639) if you have any questions.

Next Questions: Is involuntary treatment related to length of stay in the VSH? Will involuntary treatment at the VSH decrease, increase, or remain about the same if the use of involuntary treatment in community settings increases in the future? Will the total amount of involuntary treatment of people with mental health diagnoses increase, decrease or remain about the same as our system of care adopts a managed care model?

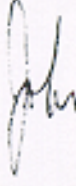


State of Vermont

Agency of Human Services
Department of Mental Health and Mental Retardation
103 South Main Street
Waterbury, Vermont 05671-1601

MEMORANDUM

TO: Vermont State Hospital Treatment Review Panel
Ben Coplan Peter Dennett
Butch Alexander Bob Duncan

FROM:  John Pandiani
Chief of Research and Statistics

DATE: July 22, 1997

SUBJECT: Involuntary Treatment Rates

I have attached your Quarterly Report on involuntary treatment at the Vermont State Hospital for the period from January 1987 through June 1997.

Of the 142 people who spent time at the Vermont State Hospital during April - June of 1997:

- 27% received involuntary medication,
- 21% involuntarily spent time in seclusion,
- 24% were specialed, and
- 16% were physically restrained.

Of the 299 people who spent time at the Vermont State Hospital, ten years earlier, during April - June of 1987:

- 12% received involuntary medication,
- 23% involuntarily spent time in seclusion,
- 16% were specialed, and
- 7% were physically restrained.

The tables and graphs that follow provide more detail. Please give me a call (241-2639) if you have any questions.

cc: Bill McMains
Rod Copeland

Claudia Stone
Adena Weidman

Louise Pierceson
Paul Blake

INVOLUNTARY TREATMENT

AT THE VERMONT STATE HOSPITAL

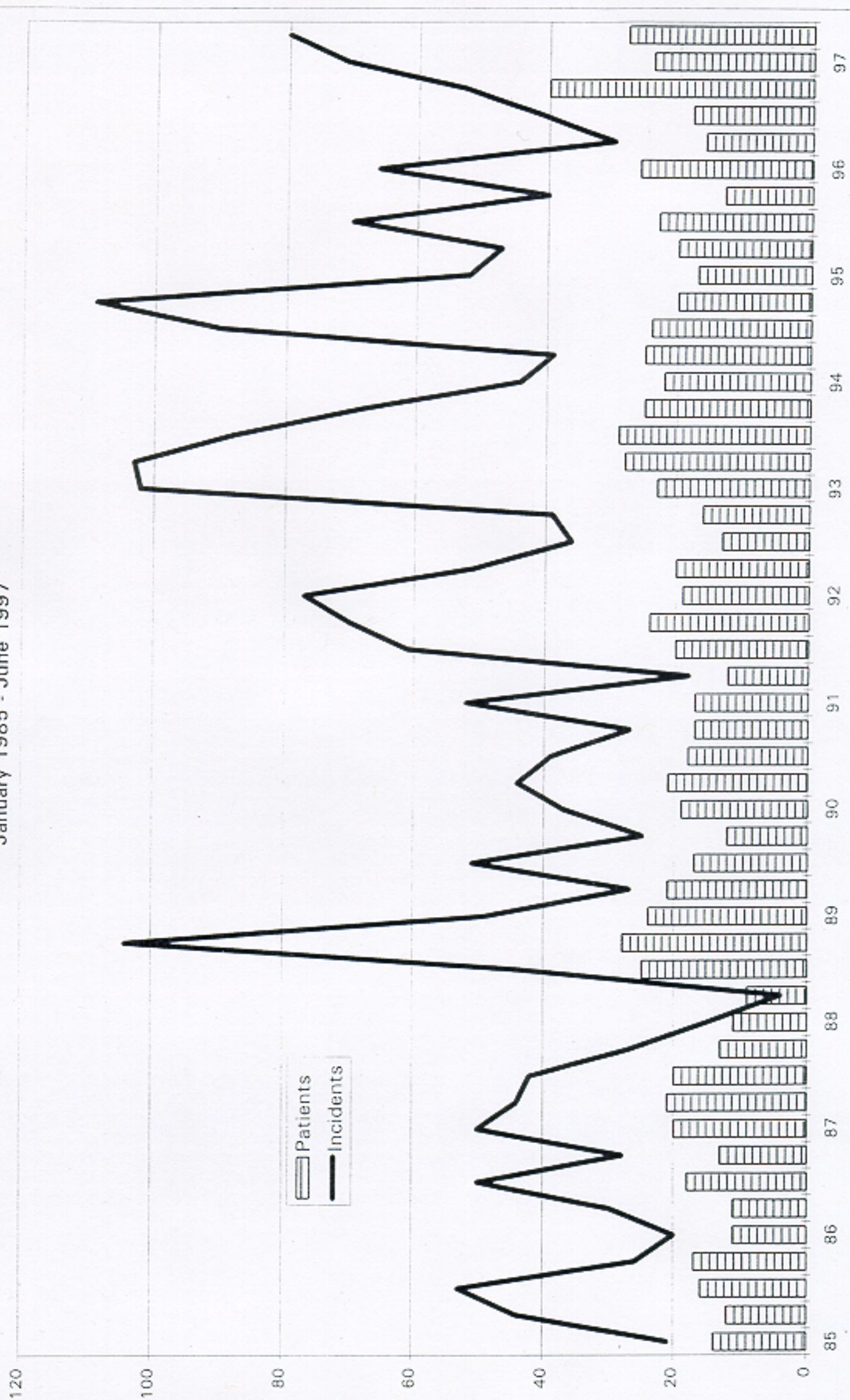
JANUARY 1987 - JUNE 1997

Prepared by

Research & Statistics Unit
Department of Developmental and Mental Health Services
103 South Main Street
Waterbury, VT 05671-1601

July 22, 1997

EMERGENCY INVOLUNTARY MEDICATION
at the Vermont State Hospital
January 1985 - June 1997

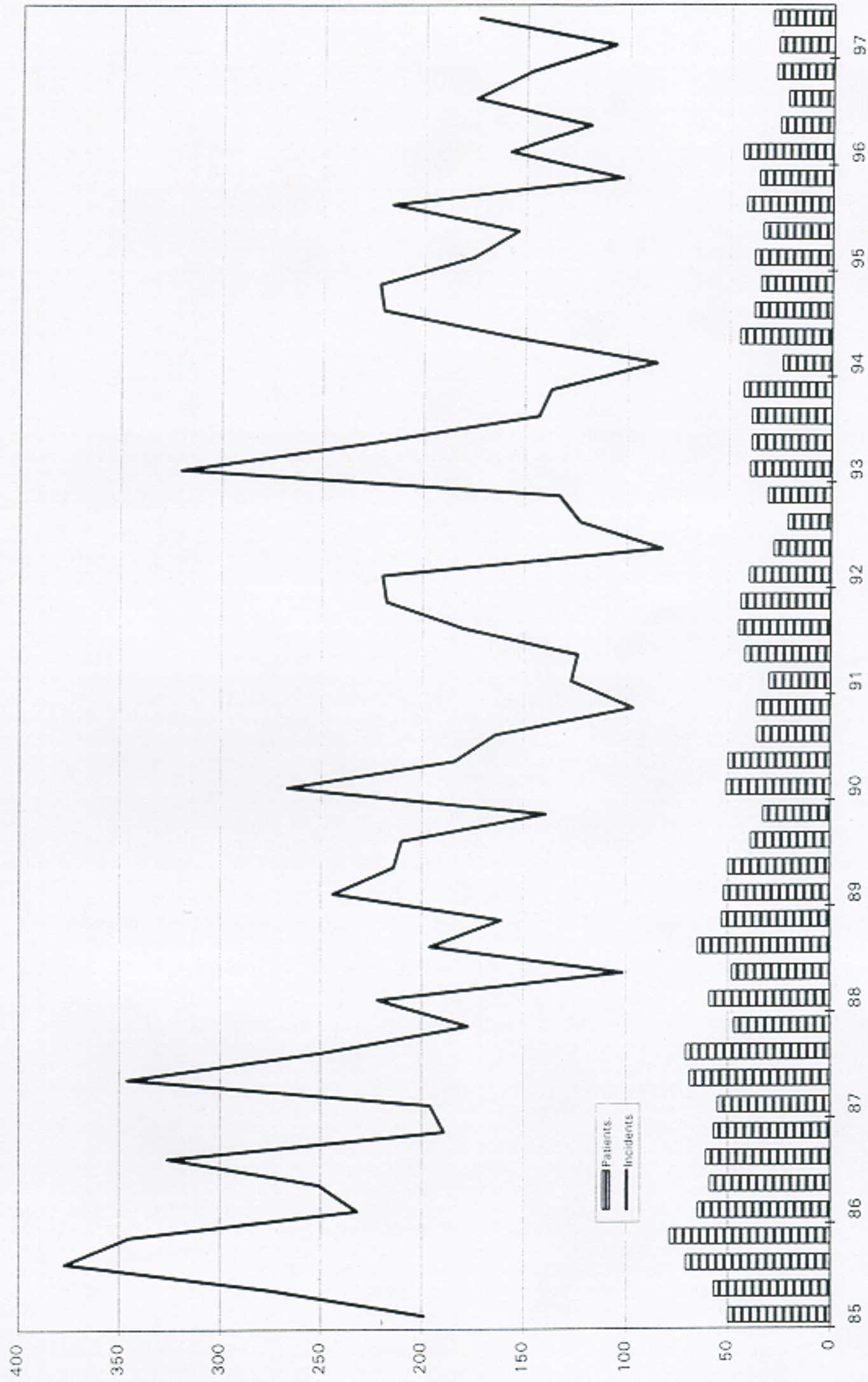


INVOLUNTARY MEDICATION
AT THE VERMONT STATE HOSPITAL
January 1, 1987 - June 30, 1997

		Patients Involuntarily Medicated*						Incidents of Emergency Involuntary Medication	
		Emergency		Non Emergency		Total			Incidents per Patient Year
Quarter		#	%	#	%	#	%	#	Year
1987									
I.	Jan-March	20	7%	12	4%	30	11%	50	1.1
II.	April-June	21	7%	19	6%	35	12%	44	0.9
III.	July-Sept	20	6%	17	5%	34	11%	42	0.9
IV.	Oct-Dec	13	4%	15	5%	25	7%	27	0.6
1988									
I.	Jan-March	11	4%	13	4%	20	6%	15	0.3
II.	April-June	9	3%	14	5%	21	7%	4	0.1
III.	July-Sept	25	9%	8	3%	29	10%	44	1.1
IV.	Oct-Dec	28	11%	4	2%	31	12%	104	2.8
1989									
I.	Jan-March	24	11%	9	4%	28	12%	49	1.4
II.	April-June	21	9%	4	2%	25	11%	27	0.8
III.	July-Sept	17	8%	2	1%	19	9%	51	1.7
IV.	Oct-Dec	12	5%	2	1%	14	6%	25	1.2
1990									
I.	Jan-March	19	10%	2	1%	21	11%	37	1.4
II.	April-June	21	10%	5	2%	24	12%	44	1.6
III.	July-Sept	18	10%	4	2%	22	12%	39	1.3
IV.	Oct-Dec	17	9%	4	2%	20	10%	27	1.0
1991									
I.	Jan-March	17	9%	10	5%	24	12%	52	2.0
II.	April-June	12	7%	7	4%	18	10%	18	0.8
III.	July-Sept	20	11%	5	3%	23	12%	61	2.4
IV.	Oct-Dec	24	12%	7	4%	30	15%	70	2.6
1992									
I.	Jan-March	19	10%	7	4%	27	14%	77	3.1
II.	April-June	20	12%	9	5%	29	17%	51	2.1
III.	July-Sept	13	9%	8	5%	17	11%	36	1.6
IV.	Oct-Dec	16	10%	7	4%	21	13%	39	1.7
1993									
I.	Jan-March	23	15%	6	4%	28	18%	102	4.5
II.	April-June	28	19%	6	4%	32	22%	103	5.0
III.	July-Sept	29	18%	11	7%	37	23%	88	4.1
IV.	Oct-Dec	25	16%	13	8%	33	21%	68	3.1
1994									
I.	Jan-March	22	15%	10	7%	28	19%	44	2.2
II.	April-June	25	17%	8	5%	30	20%	39	2.2
III.	July-Sept	24	15%	7	4%	30	19%	90	4.8
IV.	Oct-Dec	20	13%	7	5%	28	18%	109	5.3
1995									
I.	Jan-March	17	12%	12	9%	24	17%	52	2.9
II.	April-June	20	16%	10	8%	27	19%	47	2.5
III.	July-Sept	23	15%	12	8%	30	20%	70	3.6
IV.	Oct-Dec	13	8%	13	8%	22	14%	40	2.0
1996									
I.	Jan-March	26	17%	12	8%	35	23%	66	3.4
II.	April-June	16	12%	14	11%	28	21%	30	1.8
III.	July-Sept	18	12%	13	10%	27	21%	41	2.6
IV.	Oct-Dec	20	16%	16	13%	30	24%	53	3.3
1997									
I.	Jan-March	24	20%	12	10%	32	26%	71	4.2
II.	April-June	28	20%	14	10%	39	27%	80	4.3

* Categories are not mutually exclusive; patients may receive involuntary medication in both emergency and nonemergency situations during the same reporting period. Percents are computed on the total number of individuals who were in residence at the Vermont State Hospital for any amount of time during the quarter.

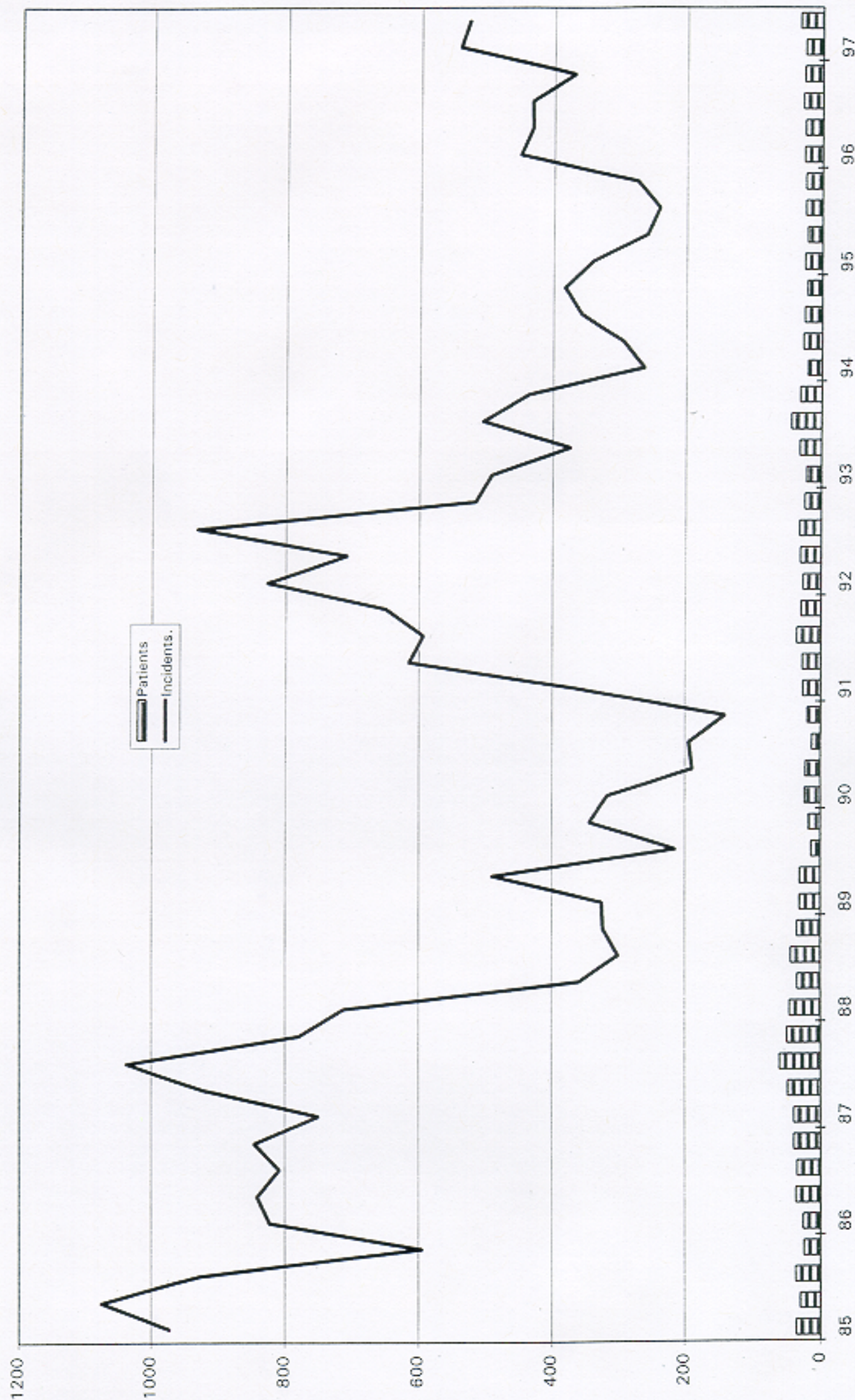
INVOLUNTARY SECLUSION
at the Vermont State Hospital
January 1985 - June 1997



INVOLUNTARY SECLUSION
AT THE VERMONT STATE HOSPITAL
January 1, 1987 - June 30, 1997

Quarter	<u>Patients Secluded</u>		<u>Seclusion Incidents</u>	
	Number	Percent of All Patients	Number	Rate (Incidents per Patient Year)
1987				
I. Jan-March	55	20%	196	4.2
II. April-June	69	23%	346	7.2
III. July-Sept	71	22%	250	5.1
IV. Oct-Dec	47	15%	177	3.6
1988				
I. Jan-March	59	19%	222	4.7
II. April-June	48	17%	102	2.4
III. July-Sept	65	23%	196	4.9
IV. Oct-Dec	53	21%	161	4.3
1989				
I. Jan-March	52	23%	244	7.0
II. April-June	50	21%	214	6.7
III. July-Sept	39	18%	210	7.0
IV. Oct-Dec	33	15%	139	4.6
1990				
I. Jan-March	51	26%	267	9.9
II. April-June	50	25%	184	6.5
III. July-Sept	36	19%	164	5.6
IV. Oct-Dec	36	18%	97	3.4
1991				
I. Jan-March	30	15%	127	4.9
II. April-June	42	23%	124	5.3
III. July-Sept	45	24%	180	7.0
IV. Oct-Dec	44	22%	218	8.2
1992				
I. Jan-March	40	21%	220	8.7
II. April-June	28	17%	83	3.4
III. July-Sept	21	14%	123	5.3
IV. Oct-Dec	31	20%	133	5.7
1993				
I. Jan-March	40	26%	320	14.2
II. April-June	39	26%	226	11.0
III. July-Sept	39	24%	143	6.6
IV. Oct-Dec	43	28%	137	6.2
1994				
I. Jan-March	24	16%	86	4.2
II. April-June	45	30%	157	8.9
III. July-Sept	38	24%	220	11.8
IV. Oct-Dec	35	23%	222	10.9
1995				
I. Jan-March	38	27%	176	9.9
II. April-June	34	24%	154	8.2
III. July-Sept	42	27%	216	11.2
IV. Oct-Dec	36	22%	103	5.1
1996				
I. Jan-March	44	29%	158	8.0
II. April-June	26	19%	119	7.0
III. July-Sept	22	17%	175	10.9
IV. Oct-Dec	28	23%	148	9.2
1997				
I. Jan-March	27	22%	107	6.3
II. April-June	30	21%	174	9.3

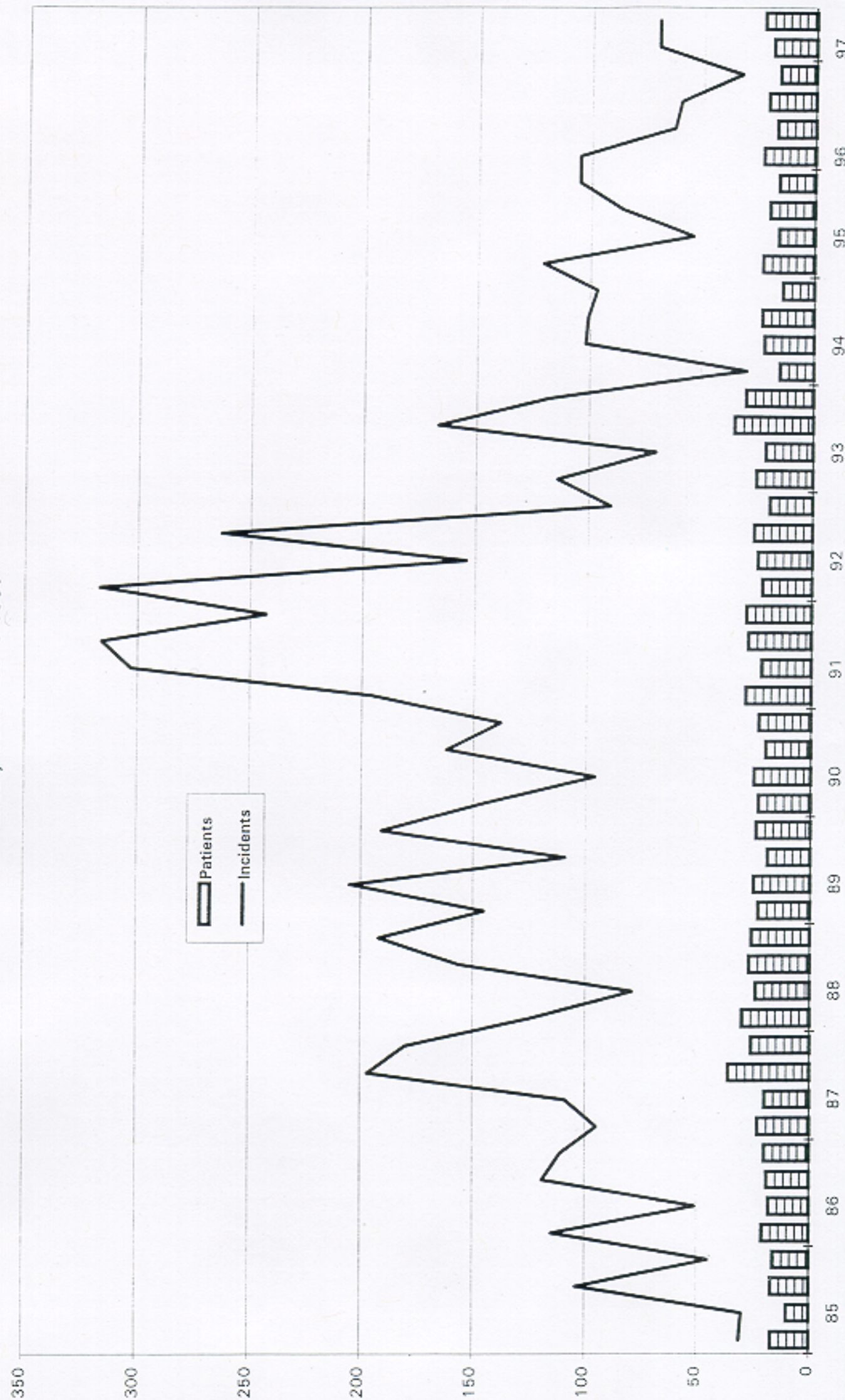
INVOLUNTARY SPECIALING
at the Vermont State Hospital
January 1985 - June 1997



INVOLUNTARY SPECIALING
AT THE VERMONT STATE HOSPITAL
January 1, 1987 - June 30, 1997

<u>Quarter</u>	<u>Patients Specialied</u>		<u>Specialing Incidents</u>	
	Number	Percent of All Patients	Number	Rate (Incidents per Patient Year)
1987				
I. Jan-March	40	15%	750	16.1
II. April-June	49	16%	924	19.0
III. July-Sept	61	19%	1,038	21.1
IV. Oct-Dec	50	16%	780	15.9
1988				
I. Jan-March	46	15%	712	15.1
II. April-June	35	12%	359	8.5
III. July-Sept	44	15%	300	7.5
IV. Oct-Dec	35	14%	322	8.7
1989				
I. Jan-March	31	14%	324	9.4
II. April-June	31	13%	490	15.3
III. July-Sept	14	6%	215	7.2
IV. Oct-Dec	18	8%	343	11.3
1990				
I. Jan-March	24	12%	316	11.7
II. April-June	23	11%	190	6.7
III. July-Sept	13	7%	195	6.7
IV. Oct-Dec	20	10%	143	5.0
1991				
I. Jan-March	27	14%	366	14.0
II. April-June	28	16%	615	25.6
III. July-Sept	36	19%	594	23.2
IV. Oct-Dec	30	15%	650	24.6
1992				
I. Jan-March	27	14%	828	32.8
II. April-June	31	18%	708	30.3
III. July-Sept	32	21%	933	40.2
IV. Oct-Dec	25	16%	516	22.0
1993				
I. Jan-March	22	14%	492	21.8
II. April-June	32	22%	374	18.1
III. July-Sept	45	28%	505	23.4
IV. Oct-Dec	32	21%	436	19.7
1994				
I. Jan-March	21	14%	264	13.0
II. April-June	28	19%	295	16.8
III. July-Sept	26	17%	357	19.1
IV. Oct-Dec	22	14%	383	18.1
1995				
I. Jan-March	26	19%	340	19.2
II. April-June	22	16%	260	13.9
III. July-Sept	25	16%	241	12.5
IV. Oct-Dec	25	16%	275	13.6
1996				
I. Jan-March	27	18%	450	22.8
II. April-June	26	19%	432	25.4
III. July-Sept	29	23%	433	27.0
IV. Oct-Dec	27	22%	369	22.9
1997				
I. Jan-March	26	21%	541	31.7
II. April-June	34	24%	528	28.2

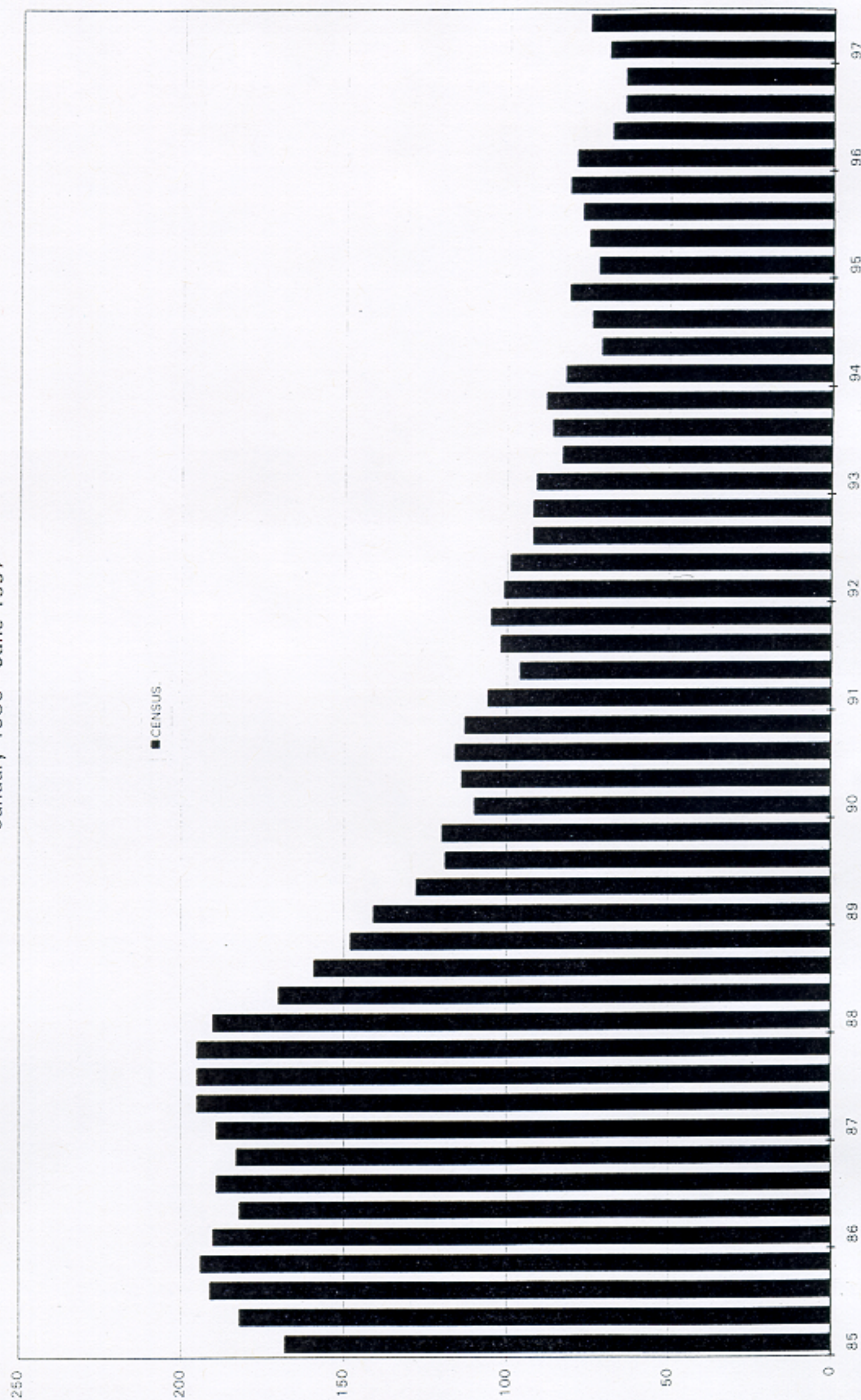
INVOLUNTARY RESTRAINT
at the Vermont State Hospital
January 1985 - June 1997



INVOLUNTARY RESTRAINT
AT THE VERMONT STATE HOSPITAL
January 1, 1987 - June 30, 1996

Quarter		Patients Restrained				Restraint Incidents			
		Number			Percent of All Patients	Number			Rate (Incidents per Patient Year)
		VSH	VNH	Total		VSH	VNH	Total	
1987									
I.	Jan-March			23	8%			95	2.0
II.	April-June			20	7%			109	2.2
III.	July-Sept	34	7	36	11%	98	97	197	4.0
IV.	Oct-Dec	21	10	26	8%	92	88	180	3.7
1988									
I.	Jan-March	24	9	30	10%	62	63	125	2.6
II.	April-June	17	9	24	8%	62	51	79	1.9
III.	July-Sept	19	8	27	9%	44	112	156	3.9
IV.	Oct-Dec	17	9	26	10%	87	105	192	5.2
1989									
I.	Jan-March	17	6	23	10%	85	59	145	4.2
II.	April-June	18	9	25	11%	95	110	205	6.4
III.	July-Sept	14	6	19	9%	50	59	109	3.6
IV.	Oct-Dec	16	9	24	11%	148	43	191	6.3
1990									
I.	Jan-March	15	8	23	12%	59	87	146	5.4
II.	April-June	18	7	25	12%	52	44	96	3.4
III.	July-Sept	10	10	20	11%	86	76	162	5.5
IV.	Oct-Dec	14	9	23	12%	56	82	138	4.9
1991									
I.	Jan-March	21	8	29	15%	121	75	196	7.5
II.	April-June	15	7	22	12%	175	128	303	12.9
III.	July-Sept	20	8	28	15%	125	191	316	12.3
IV.	Oct-Dec	23	6	29	15%	180	63	243	9.2
1992									
I.	Jan-March	18	4	22	12%	294	23	317	12.6
II.	April-June	20	4	24	14%	143	11	154	12.3
III.	July-Sept	21	5	26	17%	219	10	263	11.3
IV.	Oct-Dec	15	4	19	12%	69	21	90	3.9
1993									
I.	Jan-March	18	7	25	16%	74	40	114	5.1
II.	April-June	17	4	21	14%	60	10	70	3.4
III.	July-Sept	30	5	35	22%	145	22	167	7.7
IV.	Oct-Dec	24	6	30	19%	98	20	118	5.3
1994									
I.	Jan-March	12	3	15	10%	22	8	30	1.5
II.	April-June	22	0	22	15%	102	0	102	5.8
III.	July-Sept	23	0	23	15%	101	0	101	5.4
IV.	Oct-Dec	14	0	14	9%	97	0	97	4.7
1995									
I.	Jan-March	23		23	16%	121		121	6.8
II.	April-June	16		16	11%	54		54	2.9
III.	July-Sept	20		20	13%	86		86	4.5
IV.	Oct-Dec	16		16	10%	105		105	5.2
1996									
I.	Jan-March	23		23	15%	105		105	5.3
II.	April-June	17		17	13%	63		63	3.7
III.	July-Sept	21		21	16%	60		60	3.7
IV.	Oct-Dec	16		16	13%	33		33	2.0
1997									
I.	Jan-March	19		19	16%	70		70	4.1
II.	April-June	23		23	16%	70		70	3.7

AVERAGE DAILY CENSUS
at the Vermont State Hospital
January 1985 - June 1997



AVERAGE DAILY CENSUS
AT THE VERMONT STATE HOSPITAL
January 1, 1987 - June 30, 1997

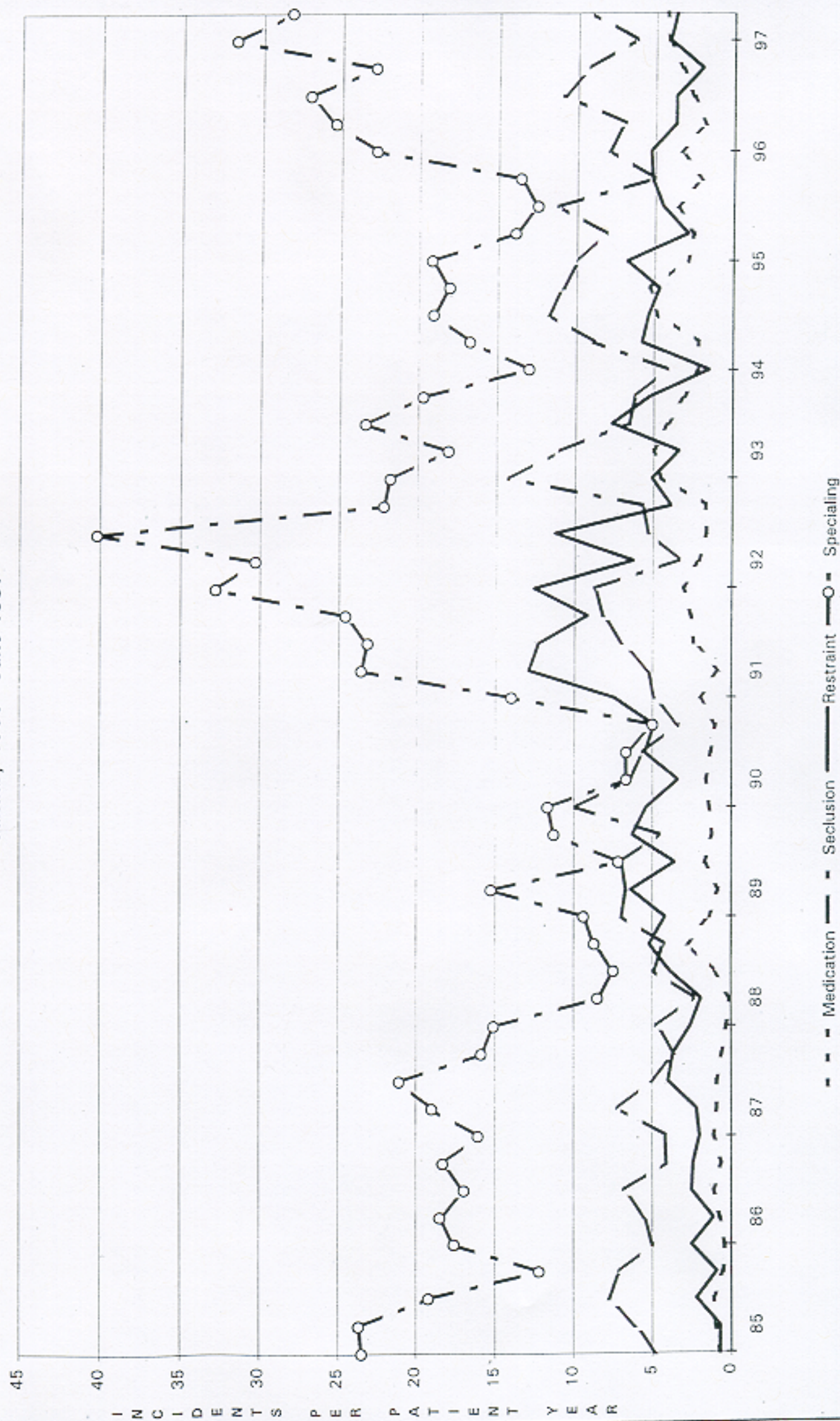
<u>Quarter</u>	<u>Total Patients Served</u>	<u>Total Patient Days</u>	<u>Average Daily Census</u>
1987			
I. January - March	275	17,037	189.3
II. April - June	299	17,730	194.8
III. July - September	318	17,942	195.0
IV. October - December	322	17,920	194.8
1988			
I. January - March	309	17,258	189.6
II. April - June	289	15,460	170.0
III. July - September	286	14,588	158.6
IV. October - December	251	13,584	147.6
1989			
I. January - March	224	12,655	140.6
II. April - June	236	11,644	128.0
III. July - September	217	10,912	118.6
IV. October - December	219	11,058	120.2
1990			
I. January - March	198	9,873	109.7
II. April - June	203	10,332	113.5
III. July - September	188	10,700	116.3
IV. October - December	198	10,382	112.8
1991			
I. January - March	197	9,527	105.9
II. April - June	179	8,757	96.2
III. July - September	187	9,357	101.7
IV. October - December	196	9,650	104.9
1992			
I. January - March	189	9,202	101.1
II. April - June	169	8,990	98.8
III. July - September	151	8,466	92.0
IV. October - December	158	8,491	92.3
1993			
I. January - March	152	8,230	91.4
II. April - June	148	7,524	82.7
III. July - September	160	7,870	85.5
IV. October - December	154	8,076	87.8
1994			
I. January - March	146	7,427	82.5
II. April - June	150	6,433	70.7
III. July - September	156	6,830	74.2
IV. October - December	153	7,435	80.8
1995			
I. January - March	140	6,481	72.0
II. April-June	141	6,836	75.1
III. July-Sept	153	7,037	76.5
IV. October - December	161	7,415	80.6
1996			
I. January - March	150	7,193	79.0
II. April - June	134	6,200	68.1
III. July - September	129	5,861	63.7
IV. October - December	123	5,894	64.1
1997			
I. January - March	121	6,232	69.2
II. April - June	142	6,845	75.2

RATES OF INVOLUNTARY TREATMENT

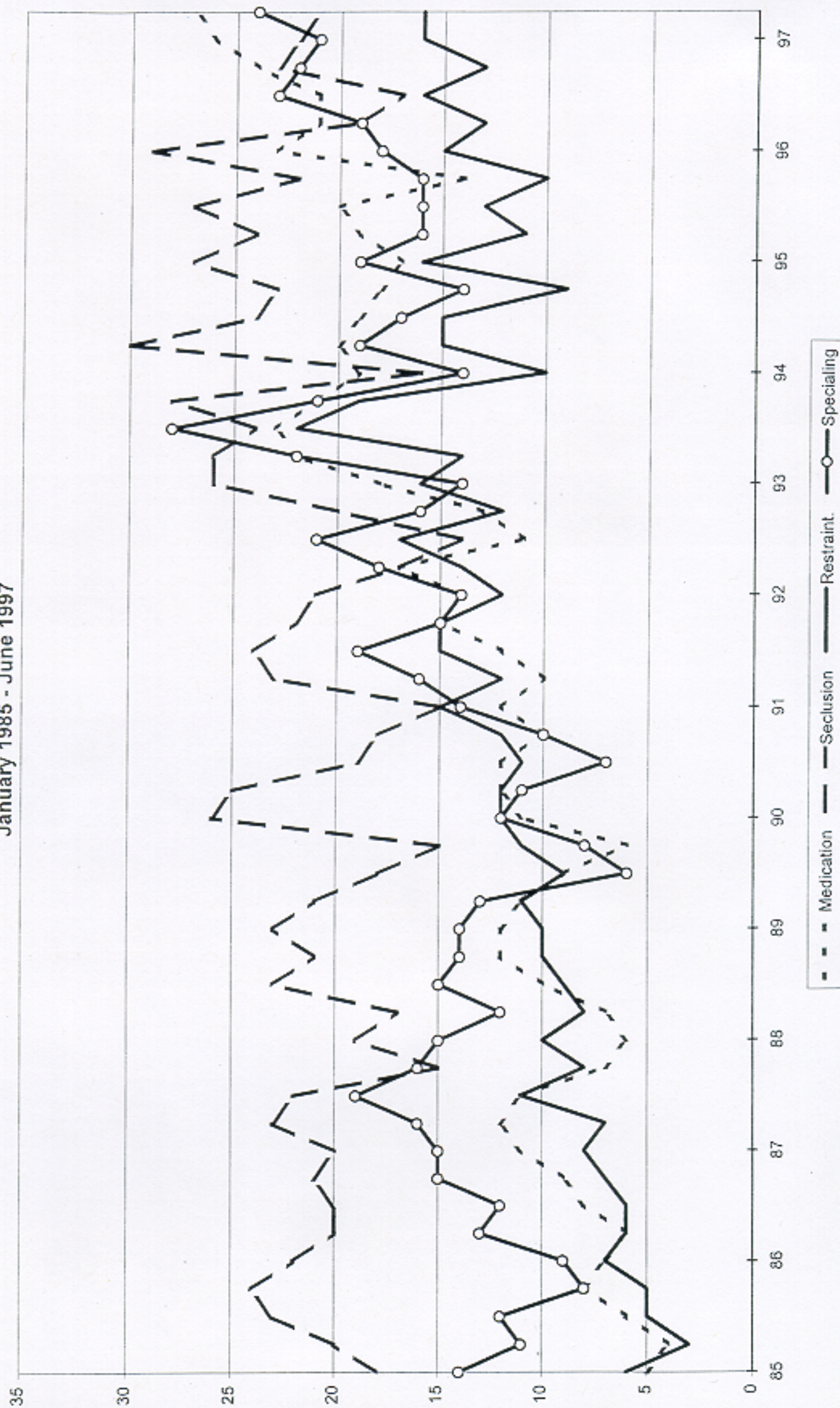
Incidents Per Patient Year

Vermont State Hospital

January 1985 - June 1997



RATE OF INVOLUNTARY TREATMENT
 Percent of Patients
 Vermont State Hospital
 January 1985 - June 1997



NON-EMERGENCY INVOLUNTARY MEDICATION
at the Vermont State Hospital
January 1985 - June 1997

